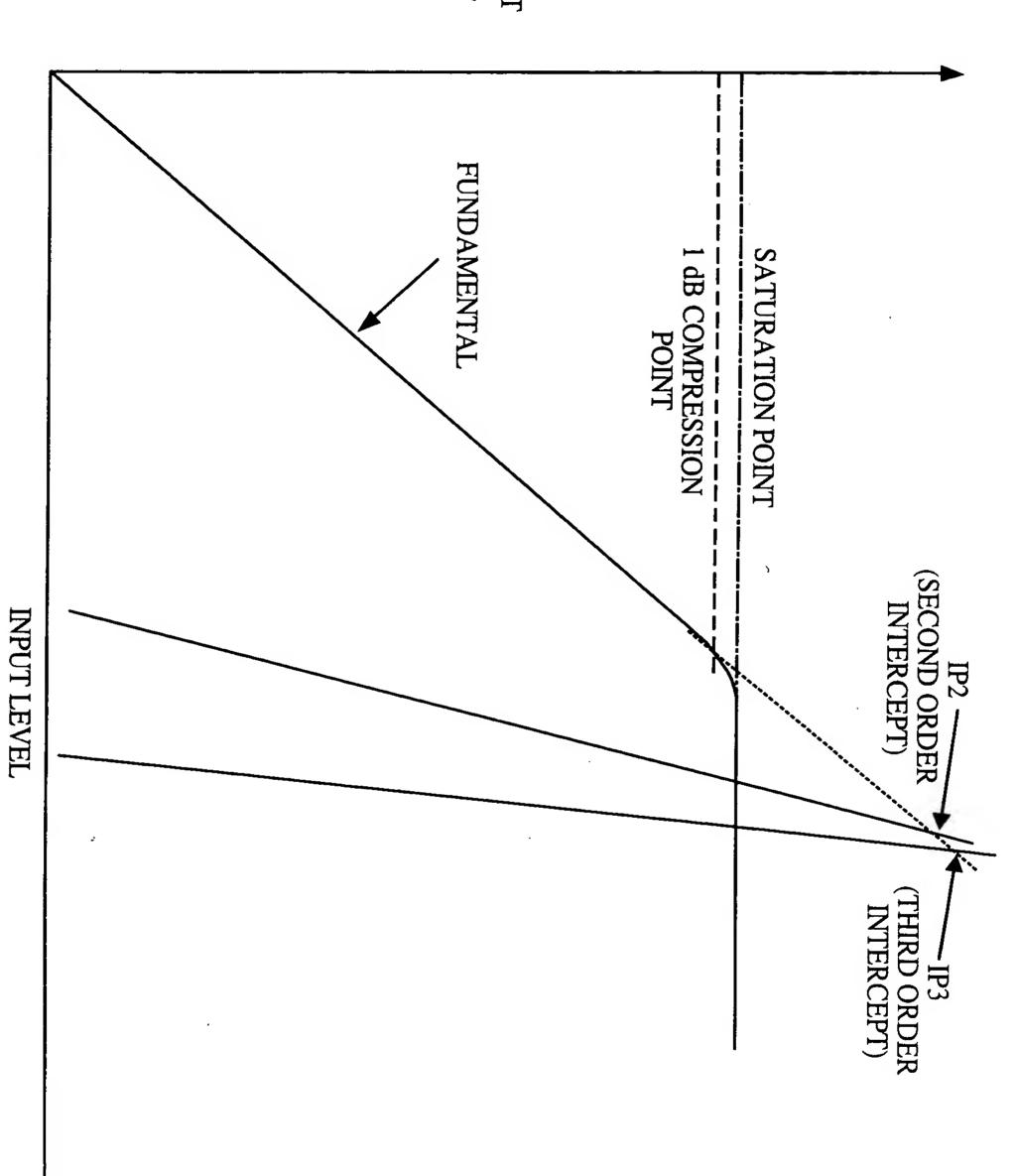
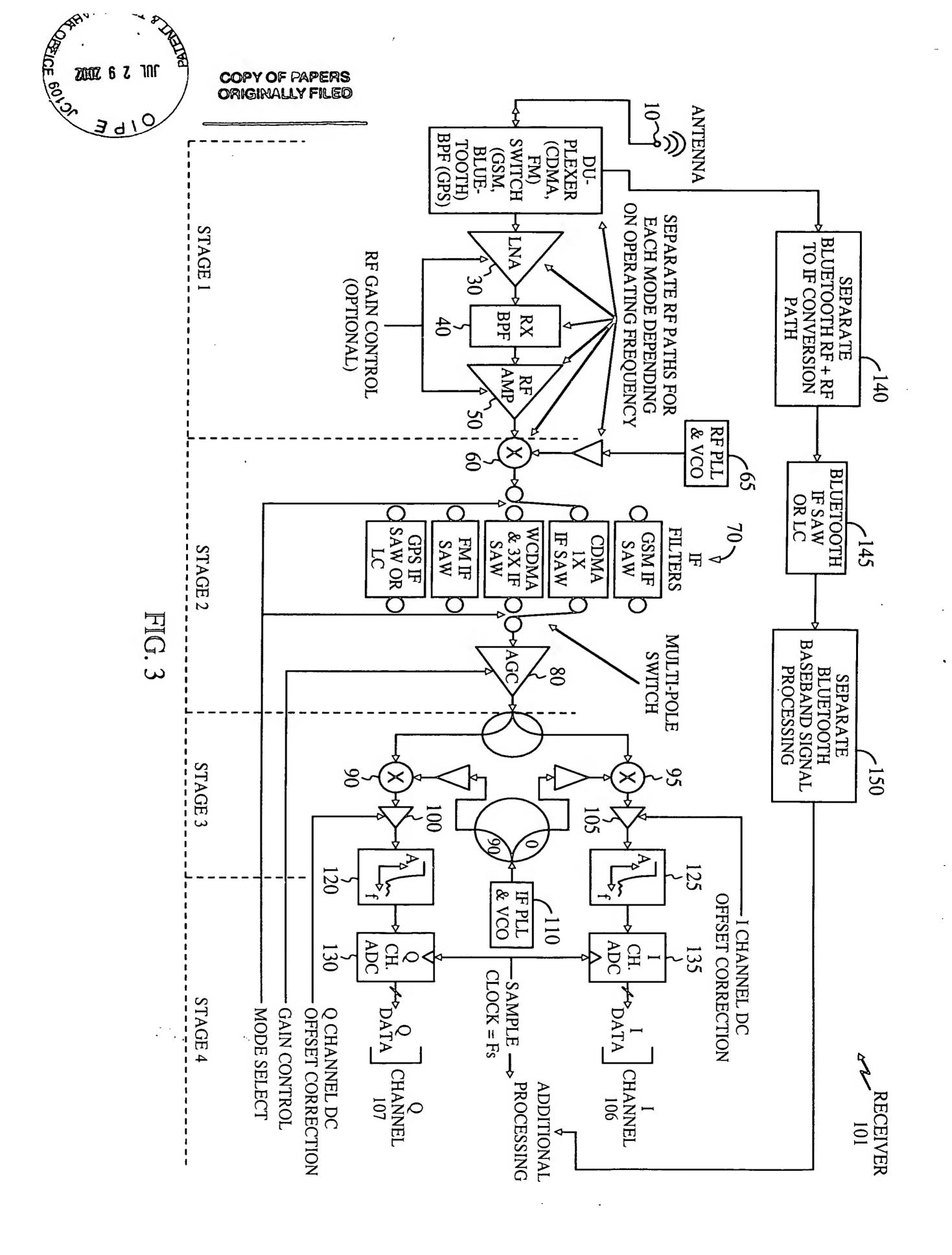
FIG. 1

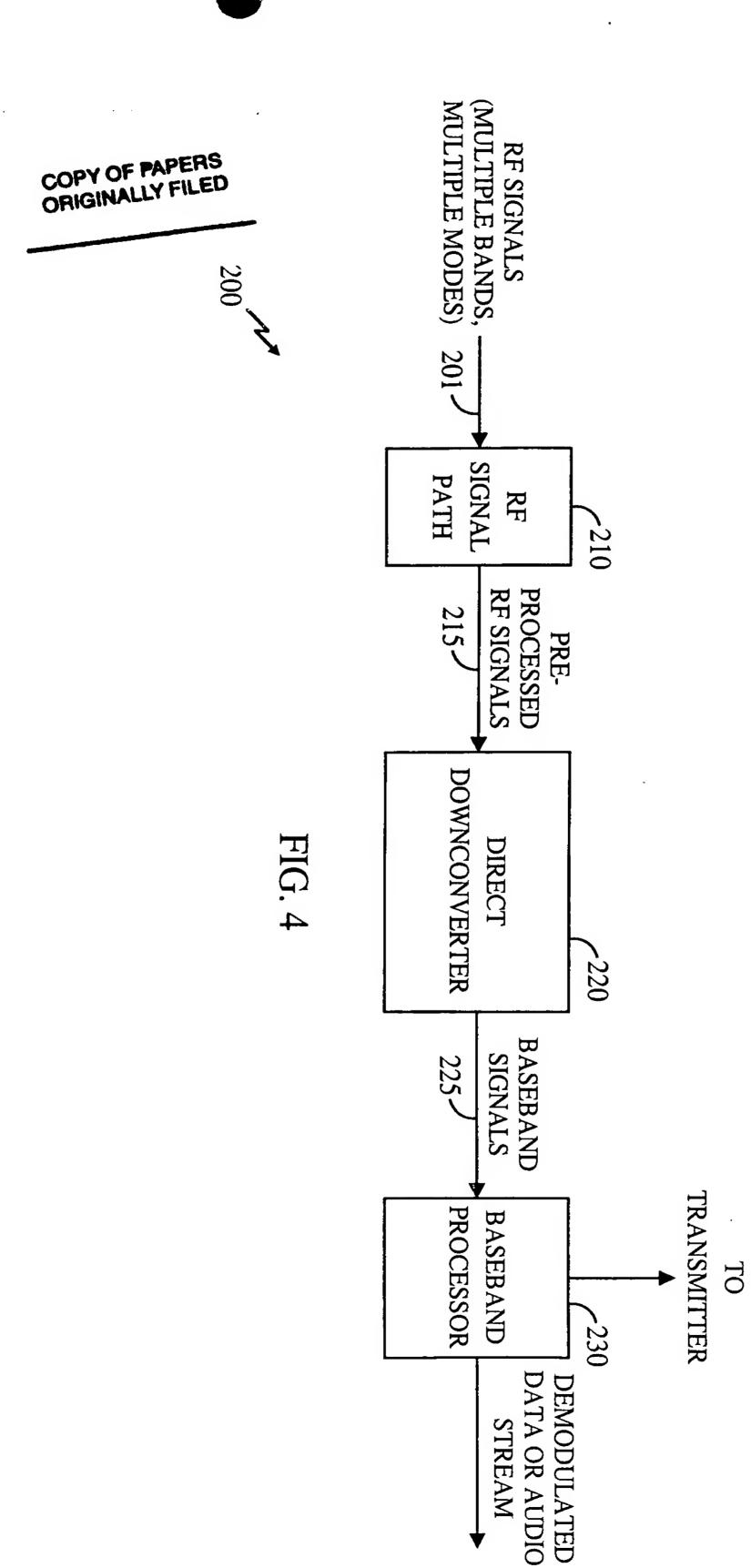
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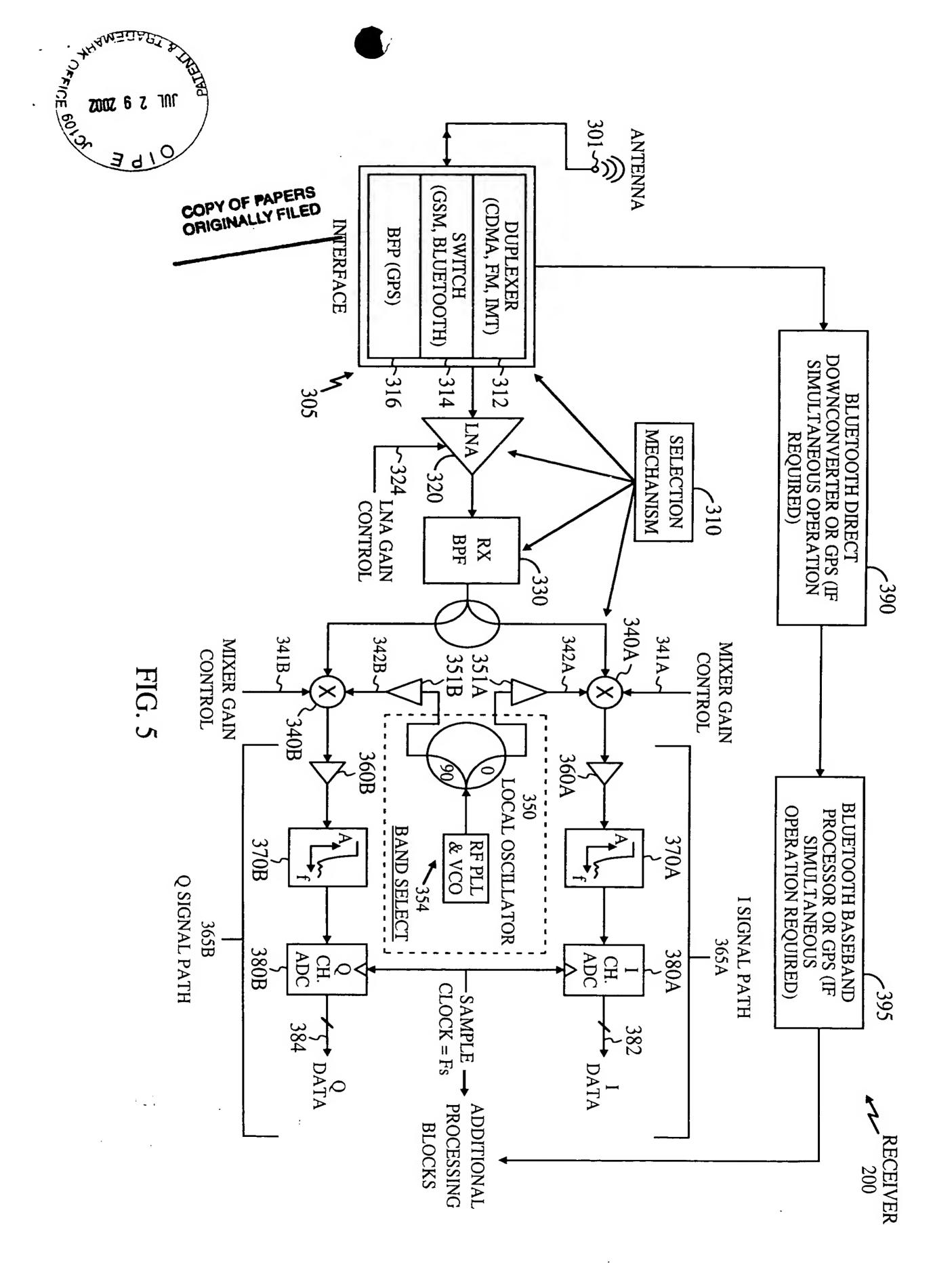
OUTPUT LEVEL

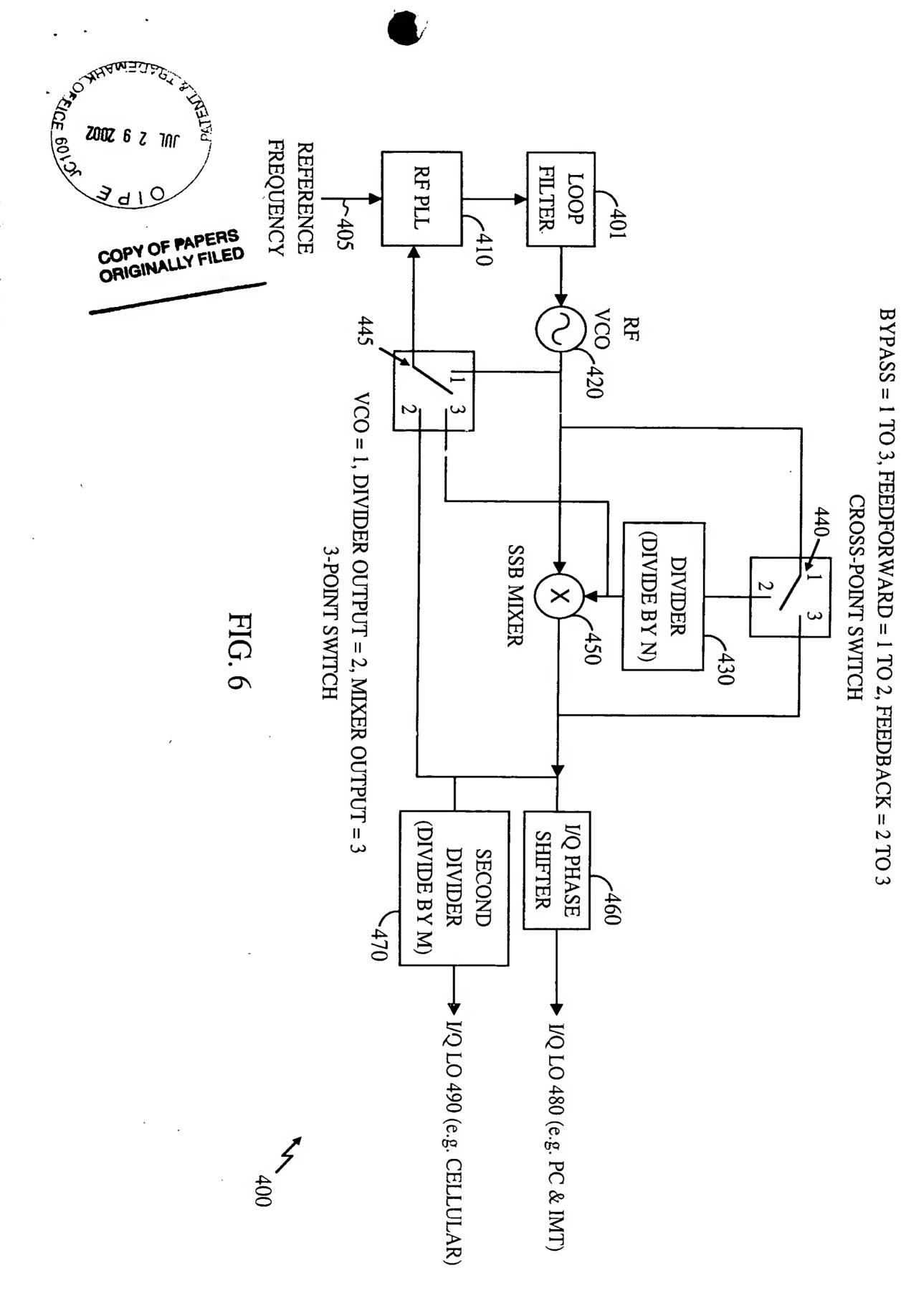




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SOLOW BY THE STANKE FREQUENCY REFERENCE RF PLL FILTER LOOP ~405 *-*401 410 COPY OF PAPERS ORIGINALLY FILED VCO RF 445 420 VCO = 1, DIVIDER OUTPUT = 2, MIXER OUTPUT = 2 CROSS-POINT SWITCH 440, (DIVIDE BY N) SSB MIXER 3-POINT SWITCH DIVIDER 2 >< FIG. 6 **.**450 **-**430 (DIVIDE BY M) I/Q PHASE SHIFTER $\boldsymbol{\omega}$ DIVIDER SECOND 460 ► I/Q LO 480 (e.g. PC & IMT) I/Q LO 490 (e.g. CELLULAR) 400

BYPASS = 1 TO 3, FEEDFORWARD = 1 TO 2, FEEDBACK = 2

TO 3

